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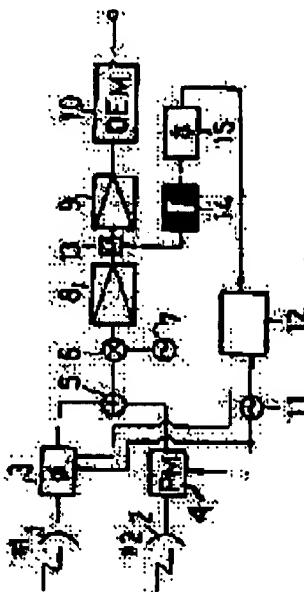
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(54) SPACE DIVERSITY RECEIVING DEVICE

(57)Abstract:

PURPOSE: To prevent an omission of a picture frame synchronizing signal, by detecting a resultant power level of the space diversity receiving device through the narrow band filter of specific frequency.

CONSTITUTION: Signals which have been received by the main and subsidiary antennas of 1 and 2 are synthesized by the power compounding device 5 through the phase shifter 3 and the phase modulator 4, respectively, also the composite signal is converted to an intermediate frequency signal by the receiving local oscillator 7 and the frequency mixer 6, is amplified by the preamplifier 8, and is provided to the main intermediate amplifier 9 having an AGC function. After that, the output of the preamplifier 8 is partially provided to the level detector 15 through the narrow band filter 14, and its output is inputted to the phase detector 12. The level of said level detector 15 is a level of passing frequency of the filter 14, and by handling this detector output in the same way as regular AGC voltage, in-phase synthesis is executed by said frequency.



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